



PARA Marine Search and Rescue

682 Hillview Crescent
Pickering, ON L1W 2R7

www.paramarinesar.ca | info@paramarinesar.ca



2024 Annual Operational Report for the Region of Durham

1. Key Performance Indicators:

KPI	Unit	2024	2023	2022	2021	2020	2019	2018	2017
Operational Metrics									
Safety	#	0	0	2 (a)	1	0	1	0	0
Vessel Availability	%	91.50	92.82	96.37	96.89	99.39	93.75	95.75	96.66
Response time	Min	12.04	9.79	14.48	17.51	23.18	12.53	21.37	11.0
SAR Missions	#	29	27	31	34	38	15	27	14
Membership (maximum 50)	%	92	96	74	86	96			
Volunteer Commitment									
Community Service (Total)	Hours	6,901	6,206	5,339	4817	3,039	8,400	7,705	8,940
Taskings (outside of Patrols)	Hours	207	220	387	271	401	79	375	83
Patrols	Hours	2,614	2,314	2,468	2531	0	3401	3880	4105
Maintenance	Hours	784	1,143	302	246	305	316	414	342
Training	Hours	1,558	1,373	1,058	1008	1171	2110	1726	1787
Administration	Hours	628	645	470	675	468	1282	744	1629
Community Development	Hours	704	581	448	70	387	1229	566	994
Community Financial Support									
Operational Funding (Durham Region)	\$	83.2K	73.6K	66K	63.5K	59.8K	52.5K	43.4K	41.9K
Other Funding (grants, service agreements, service fees, donations in kind)	\$	61K*	38.8K	118K	52K	63K	80K	53K	50K

NOTE: * \$20K was an insurance claim due to log strike.

2. Vessel Operations

- In service from mid May through mid November.
- Typically, patrols are conducted from Victoria Day weekend to Thanksgiving weekend during weeknights and weekends.
- The unit was on call 7x24 for the in-service period.

3. Financial

- The region installment for 2024 was delayed significantly. It was transferred in October versus the typical May.

4. Return on Investment:

- Actual 2024 Operations budget from Durham Region = \$83,250. Requesting increase for next year due to increased fuel costs and indoor storage for winter projects.
- Potential Budget: For every \$1 spent on supporting the unit, it would cost an estimated \$37 for a staffed equivalent organization. ($\$37 \times \$74,000 = \$2.7M$)
- Potential Labour: Community Volunteer hours in total average (8000) to be the equivalent of approximately 4 FTEs labour cost (annual approximate cost = \$400,000)



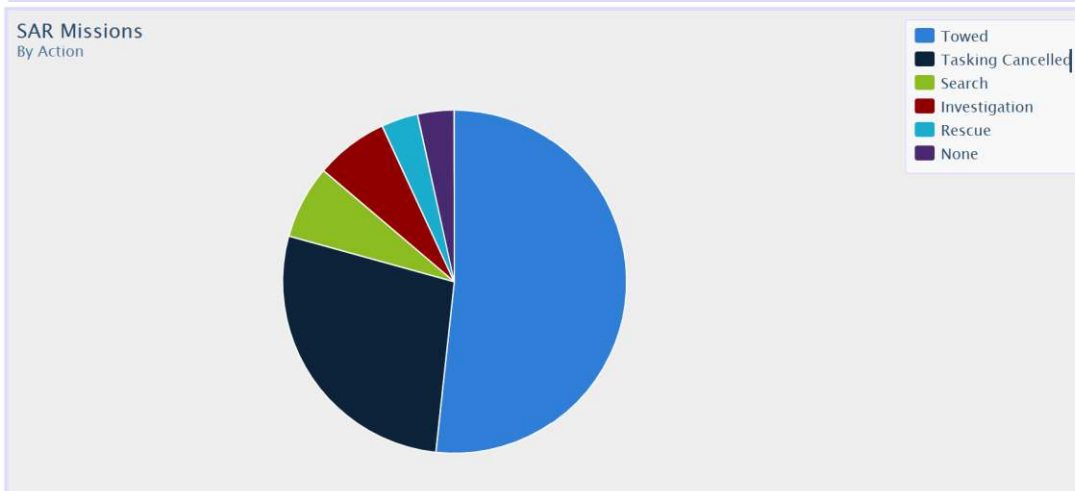
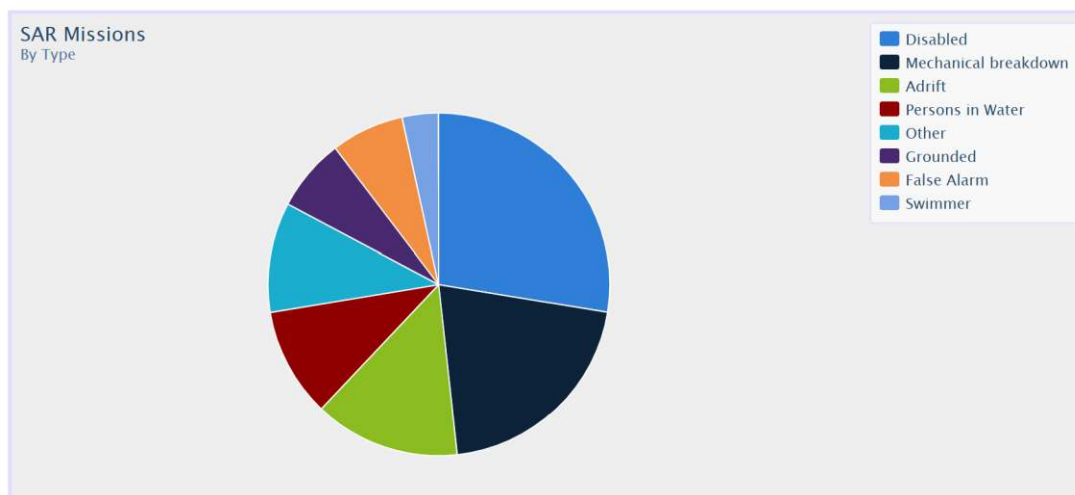
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- d. Estimated Total Savings = \$2.7M + \$400K - \$83K = \$3.17M
5. General Observations
- Response time was on average 12.04 minutes (21.2 when not on patrol), similar to last year.
 - Continued increased number of people participating in water-based activities with all types of watercrafts from traditional boats (sail and power), PWC, fishing boats, human power (canoes, paddle boards, kayaks) to inflatables and other beach craft.
 - 29 missions, from Port Credit to Port Hope. Tasking breakdown:



- d. Notable tasking missions included:
- 60-year-old male kayaker, rescued after activating the emergency locator device. He was located about 1.5 miles off Pickering near the FBYC, recovered and then turned over to EMS at the marina.
 - Mayday call 12nm SE of Whitby. Searches were conducted alongside US Coast Guard as the search area crossed the border.



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- iii. Disabled power vessel of Frenchman's Bay with 7 person (1 male and 6 females) on board. DRPS marine unit was also on scene and was in command. PARA Marine successfully towing the vessel back to Pickering with the operator and then returned to normal operations.
 - iv. Unattended kayak off Ashbridge's Bay in Toronto resulted in a search with nothing found. Kayak was turned over to Toronto Police Marine Unit.
 - a. On water training conducted from July through to October including Coast Guard training events
 - b. Our regular training programs, to support Transport Canada and CCGA qualification are conducted Spring and Fall along with the Toronto Search and Rescue (CCGA unit) personnel.
6. Vessel Maintenance
- a. Winter 2024: Last year the original plan was to do major preventive maintenance is planned for the engines and outdrives. The budget was \$50K but when estimates increased to \$100K+ it was decided to repower the vessel at a cost of \$300K. This work was completed, and vessel launched in early April. However, we suffered a log strike in late July and the vessel was out of service for 3 weeks. This is reduced our availability metric significantly.
 - b. Winter 2025: Plans to store the vessel indoors at Swans in Whitby. Plans include:
 - i. Work (\$15K) to be done by the unit:
 - ii. Safety – railings, hatch tie downs and shocks, miscellaneous gear
 - iii. Ergonomics – repair of seats
 - iv. Regular Maintenance items
 - v. Technology upgrades for communication station, secure networking and remote engine troubleshooting.
 - vi. Work (\$25K) to be done by Swans in Whitby: resurfacing the hull with new antifouling and installing new transducers due to log strike.
 - c. Investigation continues into emerging boat technologies and new vessel options.
7. Community Development
- a. General Community Activities: The unit participated in:
 - i. Pickering: Easter Parade, Canada day, OPG Community events, Remembrance Day presence, Santa Claus Parade, Fire Safety Day was cancelled.
 - ii. Ajax: Canada Day, Remembrance Day presence, Santa Claus Parade, Fire Safety Day wamems cancelled.
 - iii. Whitby: Canada Day, Remembrance Day presence, Santa Claus Parade
 - iv. Other: Toronto International Airshow
 - b. Business Community
 - i. The unit continues as members in both the Pickering / Ajax Board of Trade (APBoT) and the Whitby Chamber of Commerce (CofC) with the intent of raising our profile within the business community.
 - ii. Sponsored a hole in the local Pickering / Ajax golf tournament.
 - iii. Sponsored a hole in the local Whitby CofC golf tournament.



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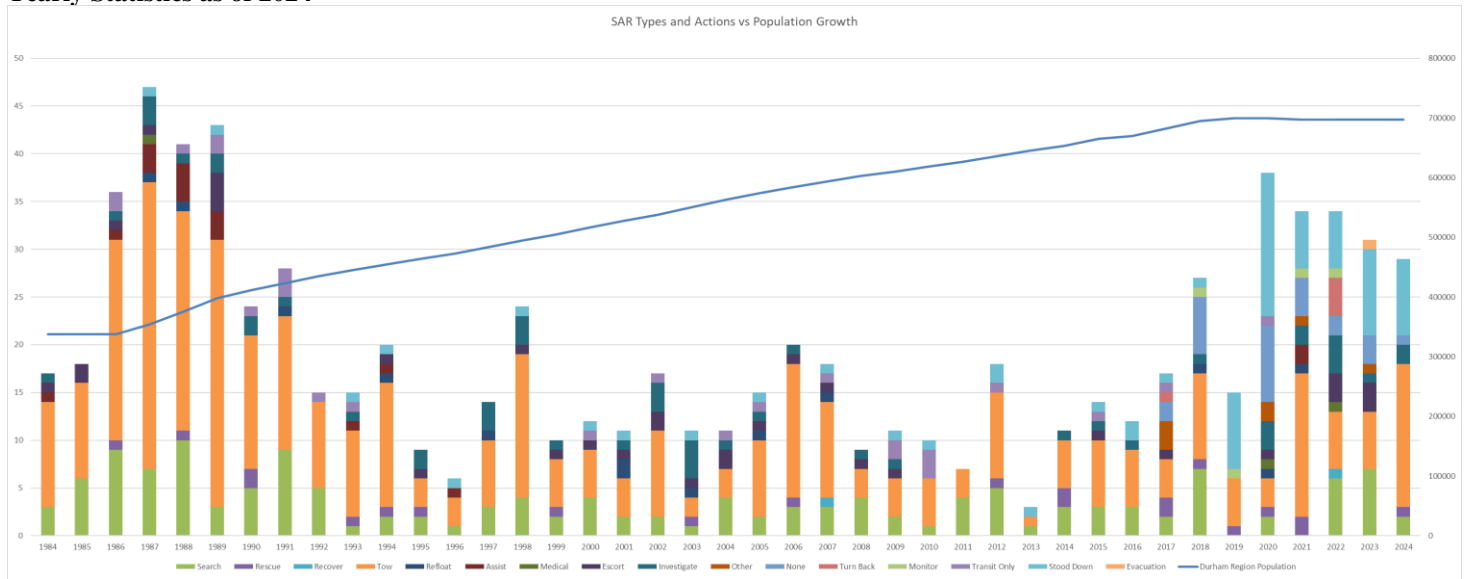
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APPENDIX A: Statistics

Yearly Statistics as of 2024



2024 General Tasking Locations





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Area Coverage for 2021-2024

NOTE: Darker red is most recent 2024 tracks.

